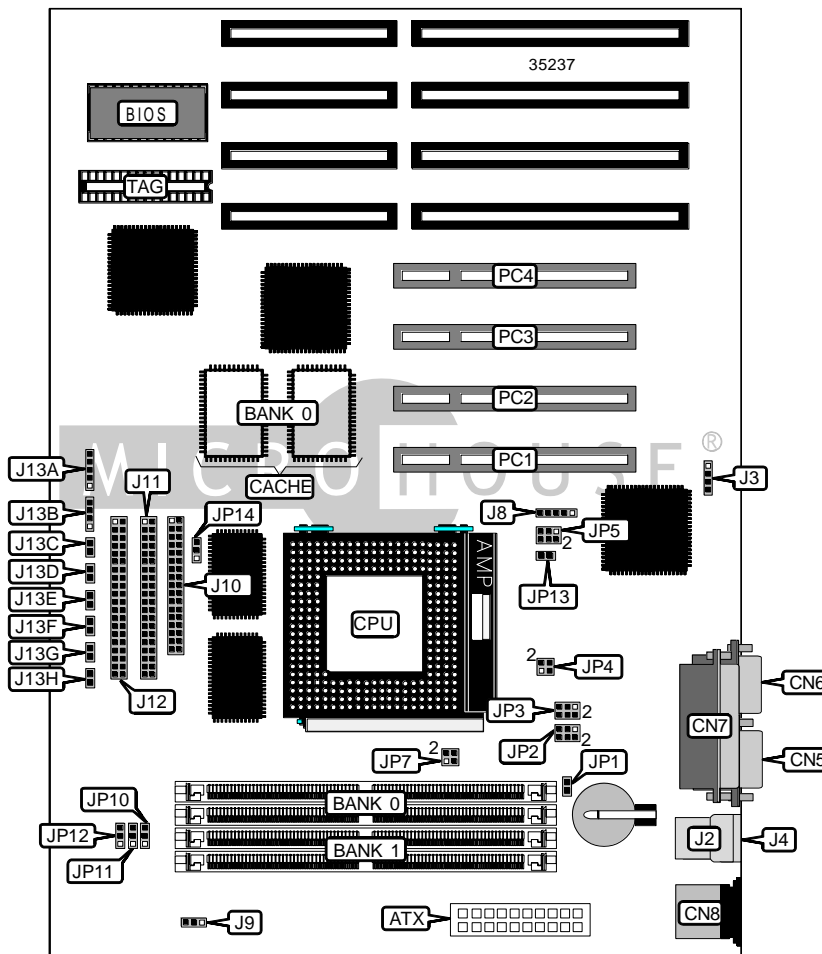


# DIAMOND FLOWER, INC. 586IVX (REV. 2+)

<b>Device Type</b>	Mainboard
<b>Processor</b>	CX 6X86/AM K5/Pentium/Pentium MMX
<b>Processor Speed</b>	75/90/100/120/133/150/166/200MHz
<b>Chip Set</b>	Intel
<b>Video Chip Set</b>	None
<b>Maximum Onboard Memory</b>	128MB (EDO supported)
<b>Maximum Video Memory</b>	None
<b>Cache</b>	256KB
<b>BIOS</b>	Award
<b>Dimensions</b>	305mm x 230mm
<b>I/O Options</b>	32-bit PCI slots (4), floppy drive interface, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse port, serial ports (2), IR connector, USB connectors (2), ATX power connector
<b>NPU Options</b>	None



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CONNECTIONS			
Purpose	Location	Purpose	Location
ATX power connector	ATX	IDE interface 2	J12
Serial port 2	CN5	Power LED & keylock	J13A
Serial port 1	CN6	Speaker	J13B
Parallel port	CN7	Reset switch	J13C
PS/2 mouse port	CN8	Green PC connector	J13D
USB connector 1	J2	Soft off power supply	J13E
USB connector 2	J4	Green PC LED	J13F
IR connector	J8	IDE interface LED	J13G
Chassis fan power	J9	ATX LED	J13H
Floppy drive interface	J10	32-bit PCI slots	PC1 – PC4
IDE interface 1	J11		

USER CONFIGURABLE SETTINGS		
Function	Label	Position
í Factory configured - do not alter	J3	Unidentified
í CMOS memory normal operation	JP1	Open
CMOS memory clear	JP1	Closed
í Password normal operation	JP13	Open
Password clear	JP13	Closed
í Factory configured - do not alter	JP14	Unidentified

SIMM CONFIGURATION		
Size	Bank 0	Bank 1
8MB	(2) 1M x 36	None
16MB	(2) 2M x 36	None
16MB	(2) 1M x 36	(2) 1M x 36
24MB	(2) 2M x 36	(2) 1M x 36
32MB	(2) 4M x 36	None
32MB	(2) 2M x 36	(2) 2M x 36
40MB	(2) 4M x 36	(2) 1M x 36
48MB	(2) 4M x 36	(2) 2M x 36
64MB	(2) 8M x 36	None
64MB	(2) 4M x 36	(2) 4M x 36
72MB	(2) 8M x 36	(2) 1M x 36
80MB	(2) 8M x 36	(2) 2M x 36
96MB	(2) 8M x 36	(2) 4M x 36
128MB	(2) 8M x 36	(2) 8M x 36

Note: Board accepts EDO memory.

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CACHE CONFIGURATION		
Size	Bank 0	TAG
256KB	(2) 32K x 32	Unidentified

CPU SPEED SELECTION (CX 6X86)						
CPU speed	Clock speed	Multiplier	JP5	JP10	JP11	JP12
120MHz	50MHz	2x	2 & 4, 3 & 5	1 & 2	1 & 2	1 & 2
133MHz	55MHz	2x	2 & 4, 3 & 5	2 & 3	1 & 2	1 & 2
150MHz	60MHz	2x	2 & 4, 3 & 5	1 & 2	2 & 3	1 & 2
166MHz	66MHz	2x	2 & 4, 3 & 5	1 & 2	1 & 2	2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (AM K5)						
CPU speed	Clock speed	Multiplier	JP5	JP10	JP11	JP12
75MHz	50MHz	1.5x	1 & 3, 2 & 4	1 & 2	1 & 2	1 & 2
90MHz	60MHz	1.5x	1 & 3, 2 & 4	1 & 2	2 & 3	1 & 2
100MHz	66MHz	1.5x	1 & 3, 2 & 4	1 & 2	1 & 2	2 & 3
120MHz	60MHz	1.5x	1 & 3, 2 & 4	1 & 2	2 & 3	1 & 2
133MHz	66MHz	1.5x	1 & 3, 2 & 4	1 & 2	1 & 2	2 & 3
166MHz	66MHz	1.75x	3 & 5, 4 & 6	1 & 2	1 & 2	2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (INTEL)						
CPU speed	Clock speed	Multiplier	JP5	JP10	JP11	JP12
75MHz	50MHz	1.5x	1 & 3, 2 & 4	1 & 2	1 & 2	1 & 2
90MHz	60MHz	1.5x	1 & 3, 2 & 4	1 & 2	2 & 3	1 & 2
100MHz	66MHz	1.5x	1 & 3, 2 & 4	1 & 2	1 & 2	2 & 3
120MHz	60MHz	2x	2 & 4, 3 & 5	1 & 2	2 & 3	1 & 2
133MHz	66MHz	2x	2 & 4, 3 & 5	1 & 2	1 & 2	2 & 3
150MHz	60MHz	2.5x	3 & 5, 4 & 6	1 & 2	2 & 3	1 & 2
166MHz	66MHz	2.5x	3 & 5, 4 & 6	1 & 2	1 & 2	2 & 3
200MHz	66MHz	3x	1 & 3, 4 & 6	1 & 2	1 & 2	2 & 3

Note: Pins designated should be in the closed position.

CPU SPEED SELECTION (INTEL MMX)						
CPU speed	Clock speed	Multiplier	JP5	JP10	JP11	JP12
166MHz	66MHz	2.5x	3 & 5, 4 & 6	1 & 2	1 & 2	2 & 3
200MHz	66MHz	3x	1 & 3, 4 & 6	1 & 2	1 & 2	2 & 3

Note: Pins designated should be in the closed position.

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CPU VOLTAGE SELECTION				
Voltage	JP2	JP3	JP4	JP7
2.7v	1 & 3, 2 & 4	1 & 2	3 & 4	Open
2.8v	1 & 3, 2 & 4	3 & 4	3 & 4	Open
2.9v	1 & 3, 2 & 4	5 & 6	3 & 4	Open
3.3v	3 & 5, 4 & 6	3 & 4	3 & 4	1 & 2, 3 & 4
3.5v	3 & 5, 4 & 6	3 & 4	1 & 2	1 & 2, 3 & 4

Note: Pins designated should be in the closed position.